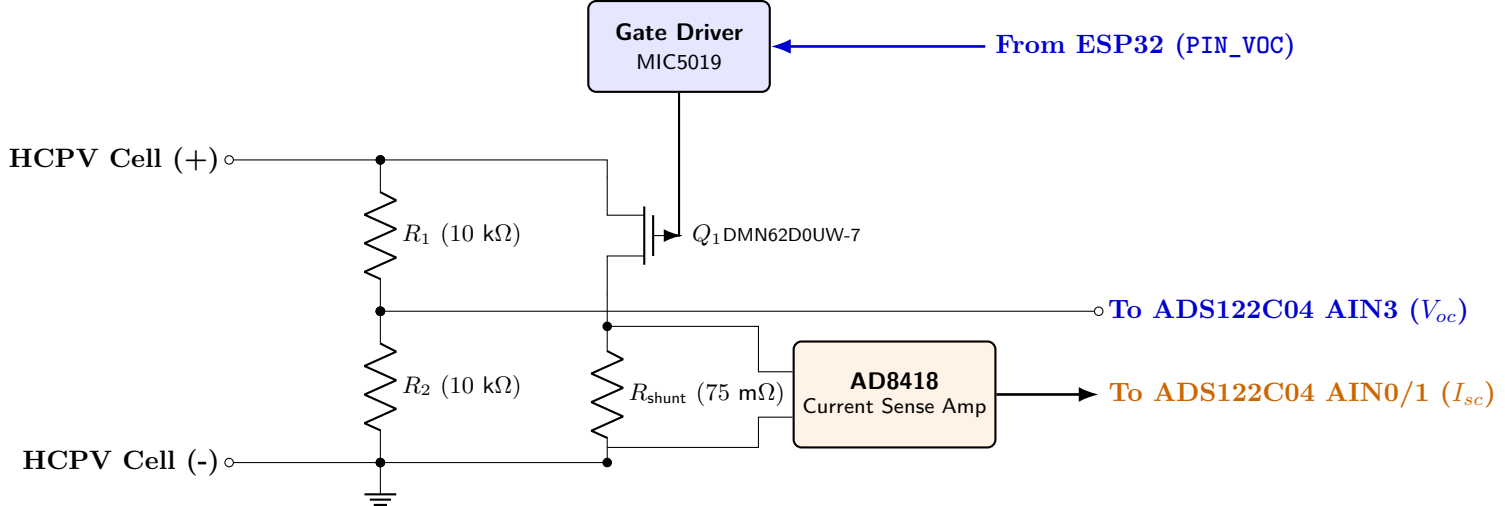

Gate Driver
MIC5019
From ESP32 (PIN_VOC)
HCPV Cell (+)
R_1 (10 kΩ)
Q_1 DMN62D0UW-7
To ADS122C04 AIN3 (V_{oc})
R_2 (10 kΩ)
R_{shunt} (75 mΩ)
AD8418
Current Sense Amp
To ADS122C04 AIN0/1 (I_{sc})
HCPV Cell (-)